

CLAIMS

1. Drive device with a transmission (4), with a drive shaft (2) actively connected to a main engine, a shifting clutch (3) connected between this drive shaft (2) and an input shaft of the gear box (4) arranged, permanently with the drive shaft (2) and with a gear output (5), characterized in that a shifting brake clutch (9) is arranged between drive shaft (2) and shifting clutch (3), whose output can be brought into active connection with the gear output (5).

2. Drive device pursuant to claim 1, characterized in that an auxiliary shaft (16) propellable by this is assigned to the output of the shifting brake clutch (9), and the output (18) of the auxiliary shaft (16) is ordered to the gear output (5).

3. Drive device pursuant to claim 1 or 2, characterized in that the output of the shifting brake clutch (9) is connected torque proof with an idle gear (14), which is mounted on the drive shaft (2).

4. Drive device pursuant to claim 3, characterized in that the idle gear (14) could come with an intermediate wheel mounted on the gear housing (8), which moreover is engaged with a fixed wheel (17) on the auxiliary shaft (16).

5. Drive device pursuant to claim 2, characterized in that at least two idle gears (19, 20) are assigned to the output (18) of the auxiliary shaft (16), which are mounted on the auxiliary shaft (16) and optionally and alternately are combinable via a coupling mechanism (21) with the gear output (5).

6. Drive device pursuant to claim 5, characterized in that the idle gear (19) near to the transmission (4) combs with an idle gear (23), which engages with a gear wheel (24) attached to the gear output shaft (6) of the transmission (4).

7. Drive device pursuant to claim 5, characterized in that the idle gear (20) distant from the transmission (4) combs with an intermediate wheel (25), which engages with a gear wheel (26) attached to the main output shaft (7) of the drive device.

8. Drive device pursuant to one of the previous claims, characterized in that the gear output shaft (6) is actively connected with the input of the secondary switching group (22), whose output is formed by the main output shaft (7).

9. Drive device pursuant to one of the previous claims, characterized in that the intermediate wheel (25) combining with the gear wheel (26) attached to the main output shaft (7) is designed as a planetary wheel of a secondary switching stage (22) designed as a planetary gear.

10. Drive device pursuant to one of the previous claims, characterized in that the auxiliary shaft 916) is mounted in the gear housing (8), and that the coupling medium (21) on the output side is designed as a sliding collar.